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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [Rapidly building synchronous collaborative applications by direct manipulation](#)

Guruduth Banavar, Sri Doddapaneni, Kevan Miller, Bodhi Mukherjee

November 1998 **Proceedings of the 1998 ACM conference on Computer supported cooperative work****Publisher:** ACM PressFull text available: [pdf\(1.08 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Java Beans, client-server synchronous collaboration, rapid application development, software components, visual programming

2 [Capturing, structuring, and representing ubiquitous audio](#)

Debby Hindus, Chris Schmandt, Chris Horner

October 1993 **ACM Transactions on Information Systems (TOIS)**, Volume 11 Issue 4**Publisher:** ACM PressFull text available: [pdf\(1.78 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Although talking is an integral part of collaboration, there has been little computer support for acquiring and accessing the contents of conversations. Our approach has focused on ubiquitous audio, or the unobtrusive capture of speech interactions in everyday work environments. Speech recognition technology cannot yet transcribe fluent conversational speech, so the words themselves are not available for organizing the captured interactions. Instead, the structure of an int ...

Keywords: audio interactions, collaborative work, multimedia workstation software, semi-structured data, software telephony, stored speech, ubiquitous computing

3 [Privacy and trust: Usability and privacy: a study of Kazaa P2P file-sharing](#)

Nathaniel S. Good, Aaron Krekelberg

April 2003 **Proceedings of the SIGCHI conference on Human factors in computing systems****Publisher:** ACM PressFull text available: [pdf\(444.04 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

P2P file sharing systems such as Gnutella, Freenet, and KaZaA, while primarily intended for sharing multimedia files, frequently allow other types of information to be shared. This raises serious concerns about the extent to which users may unknowingly be sharing private or personal information. In this paper, we report on a cognitive walkthrough and a



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1 [Dealing with synchronization and timing variability in the playback of interactive session recordings](#)



Nelson R. Manohar, Atul Prakash

January 1995 **Proceedings of the third ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: [htm\(85.28 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: collaboration environments, media integration and synchronization, session capture and replay

2 [Designing file systems for digital video and audio](#)



P. Venkat Rangan, Harrick M. Vin

September 1991 **ACM SIGOPS Operating Systems Review , Proceedings of the thirteenth ACM symposium on Operating systems principles SOSP '91**, Volume 25 Issue 5

Publisher: ACM Press

Full text available: [pdf\(1.31 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We address the unique requirements of a multimedia file system such as continuous storage and retrieval of media, maintenance of synchronization between multiple media streams, and efficient manipulation of huge media objects. We present a model that relates disk and device characteristics to the recording rate, and derive storage *granularity* and *scattering* parameters that guarantee continuous access. In order for the file system to support multiple concurrent requests, we develop ...

3 [Protocols for integrated audio and shared windows in collaborative systems](#)



A. Mathur, A. Prakash

October 1994 **Proceedings of the second ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: [pdf\(790.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the architecture and protocols for integrating real-time audio and shared windows in computer-supported cooperative work (CSCW) environments. Such applications require that actions on shared windows be synchronized with accompanying audio. We give a characterization of this synchronization problem and propose an architecture for handling audio-enhanced cooperative work. We present a protocol for synchronizing the audio stream and window-event streams and evaluate its performance ...



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S33	0	client near5 (plugin or (plug adj in)) same browser same unique near5 code	USPAT	OR	ON	2005/05/31 08:36
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